

## Kissinger, Lon

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**From:** Kissinger, Lon  
**Sent:** Friday, September 18, 2015 2:10 PM  
**To:** Frank Gobas; Shephard, Burt  
**Subject:** Chemical Specific Data for Adult Salmon Bioconcentration Analysis  
**Attachments:** Salmon Bioconcentration Analysis Chemical Data.xlsx

**Importance:** High

Hi,

I've pulled together a spreadsheet of the chemicals for which there are current U.S. ambient water quality criteria for human health. I've included the BCF and BAFs used in conjunction with criteria development. I've also included the toxicity estimates, cancer slope factors (CSF) and reference doses (RfDs), used to compute the criteria. I went back into individual criteria documents for each chemical and retrieved the log Kow values. I haven't noted metabolism yet. Log Kows between 3 and 4 are in bold red underlined type.

If we have to pick a few chemicals, my thought on selection was to follow Burt's lead of using chemicals with log Kows between 3 and 4 that aren't metabolized, that have high toxicity, and that are found in the environment. I was also wondering as to whether or not we might look at even lower log Kow chemicals that would equilibrate very rapidly? Could these chemicals be of importance in areas where fish might reside for a day or so during migration?

Lon Kissinger  
Risk Assessor  
Office of Environmental Assessment, Risk Evaluation Unit  
U.S. EPA - Region 10, Suite 900  
Mail Stop: OEA-095  
1200 6th Ave.  
Seattle, WA 98101

kissinger.lon@epa.gov

206-553-2115 voice  
206-553-1645 FAX